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ROHM AND HAAS COMPANY

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8892000 10466
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Document Processing Center (TS-790)
Office of Toxic Substances
Attn: Section 8(e) Coordinator (CAP Agreement)
Environmental Protection Agency
401 M Street, S.W.
Washington, DC 20460

Dear Sir or Madam:

Re: 8(e) CAP-0103; Data Submission

The enclosed document is submitted pursuant to the TSCA Section 8(e) Compliance Audit Program and the CAP Agreement between Rohm and Haas Company and the Environmental Protection Agency. This document does not contain confidential business information.

The following is a summary of the contents of the submission under Unit II.C.3 of the CAP Agreement:

Tested Chemical:	MMPA (93%), methyl 3-mercaptopropionamide
CASRN:	52334-99-3
Title of Report or Study:	Acute Toxicity Screening Studies (Report No. 81R-312)
Reportable Effect:	Test substance produced neurotoxic signs in the rat oral and rabbit dermal LD50 studies. Also, produced severe eye irritation in the rabbit.

If additional information is required, please contact the undersigned at (215) 592-3139. Thank you.

Sincerely,

Ronald L. Keener

Ronald L. Keener, Ph.D.
Regulatory Affairs Director
Product Integrity Department

RLK:so
Enclosure

2/27/95

TOXICITY REPORT

TOXICOLOGY DEPARTMENT

SPRING HOUSE, PA 19477

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TEST SUBSTANCE

KATHON® 886 INTERMEDIATE MMPA
MATERIAL KEY 895115-5 PROD CODE 72319 TD NO 81-535 LOT JMM 2:50

COMPONENTS/INGREDIENTS	
MMPA	93%
S2	5%
MMP	1%
S1	0%
Toluene	1%
NP-1	< 30 PPM
MeA	90 PPM

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STUDY INITIATED: 11/12/81
STUDY TERMINATED: 12/01/81

ACUTE DEFINITIVE ORAL LD50
0.73 (0.67-0.79) g/kg *
SLOPE: 15.55 PROBITS/UNIT LOG DOSE

PROTOCOL NO. 81P-762
RAW DATA PAGE NO. B00427,429

SPECIES/STRAIN: RAT (CRCD)
SEX: M

SOURCE: CHARLES RIVER BREEDING LABS

DOSAGE	ONSET OF SIGNS(S), RECOVERY(R), DEATH(D), DAYS POST-DOSING: 0	1	2	3	4	5	6	7	8-14	DIED/ DOSED	MEAN WT g INIT	TERM
3.24 g/kg	S D10									10/10	204	--
1.80 g/kg	S D10									10/10	205	--
1.00 g/kg	S D 9	D 1								10/10	205	--
0.83 g/kg	S D 4	D 4			R					8/10	161	267
0.68 g/kg	S D 1	D 1	RD 1							3/10	163	278
0.56 g/kg **	S	D 1		R						1/20	182	285
0.31 g/kg **	S			R						0/10	211	310

MAXIMUM OBSERVED INCIDENCE AT ANY OBSERVATION TIME (NO. POSITIVE/NO. OBSERVED)

SIGNS	DOSAGE LEVELS: 3.24 g/kg	1.80 g/kg	1.00 g/kg	0.83 g/kg	0.68 g/kg
.PASSIVENESS					
.SCANT DROPPINGS				2/2	8/8
.TREMORS		3/3	8/8	9/10	10/10
.ATAXIA		3/3	8/8	9/10	10/10
.RED-STAINED MUZZLE				1/8	
.SALIVATION		1/3	1/8		
.CONVULSION		1/3	6/8	4/8	2/9
.WRITHING		3/3	6/6		
.RED-STAINED EYES					
.BROWN-STAINED ANOGENITAL AREA				1/2	
.DIARRHEA					
.VOCALIZED AFTER DOSING				2/6	
.AGGRESSIVENESS				2/2	
.YELLOW STAINED UROGENITAL AREA					1/8

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SIGNS	0.56 g/kg **	0.31 g/kg **
PASSIVENESS		1/10
SCANT DROPPINGS	19/19	8/10
.TREMORS	10/20	
.ATAXIA	11/20	
.RED-STAINED MUZZLE		
.SALIVATION		
CONVULSION	2/20	
.WRITHING	2/20	
.RED-STAINED EYES	1/20	
.BROWN-STAINED ANOGENITAL AREA		
.DIARRHEA		1/10
.VOCALIZED AFTER DOSING		
.AGGRESSIVENESS	1/19	
.YELLOW STAINED UROGENITAL AREA		

NECROPSY OBSERVATIONS-DECEDENTS (NO. POSITIVE/NO. OBSERVED)

	DOSAGE LEVELS				
OBSERVATIONS	3.24 g/kg	1.80 g/kg	1.00 g/kg	0.83 g/kg	0.68 g/kg
.NO GROSS CHANGES				1/8	
.GASTRIC MUCOSA SEVERELY REDDENED					1/3
.MATTED FUR ON MUZZLE	3/10	4/10	3/10	2/8	
.GLANDULAR GASTRIC MUCOSA - MODERATELY REDDENED			1/10	3/8	
.WET MATTED FUR ON MUZZLE	1/10	2/10			
.STOMACH FILLED WITH RED FLUID					1/3
.RED WET MATTED FUR ON MUZZLE	1/10				
.SEVERE AUTOLYSIS					1/3
.RED-BLACK FOCI ON GASTRIC MUCOSA					1/3
.BLACK STRIATIONS ON GLANDULAR GASTRIC MUCOSA			1/10		
.RED MATTED FUR ON MUZZLE	4/10	4/10	6/10	4/8	1/3
.SMALL INTESTINES MARKED REDNESS	3/10				
.SMALL INTESTINES - SLIGHT TO MODERATE REDNESS	5/10	1/10	3/10	1/8	

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OBSERVATIONS	0.56 g/kg **	0.31 g/kg **
.NO GROSS CHANGES		
.GASTRIC MUCOSA SEVERELY REDDENED		
.MATTED FUR ON MUZZLE		
.GLANDULAR GASTRIC MUCOSA - MODERATELY REDDENED	1/1	
.WET MATTED FUR ON MUZZLE		
.STOMACH FILLED WITH RED FLUID		
.RED WET MATTED FUR ON MUZZLE		
.SEVERE AUTOLYSIS		
.RED-BLACK FOCI ON GASTRIC MUCOSA		
.BLACK STRIATIONS ON GLANDULAR GASTRIC MUCOSA		
.RED MATTED FUR ON MUZZLE		
.SMALL INTESTINES MARKED REDNESS		
.SMALL INTESTINES - SLIGHT TO MODERATE REDNESS		

NECROPSY OBSERVATIONS-SURVIVORS (NO. POSITIVE/NO. OBSERVED)

	DOSAGE LEVELS				
OBSERVATIONS	3.24 g/kg	1.80 g/kg	1.00 g/kg	0.83 g/kg	0.68 g/kg
.NO GROSS CHANGES				2/2	7/7

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OBSERVATIONS	0.56 g/kg **	0.31 g/kg **
.NO GROSS CHANGES	19/19	10/10

STUDY CONDITIONS:

Animals fasted overnight were gavaged with an aqueous solution of the test substance at a constant dose volume of 20 ml/kg.*

STUDY FOOTNOTES:

a. Animals receiving 3.24 g/kg of the test substance, convulsed, had tremors, ataxia and vocalized and then died within 10 minutes after dosing.

* Ten rats in groups 1, 2, 3, 6, and 7 were dosed on 11/12/81; and 10 in groups 4, 5, and 6 were dosed on 11/17/81. The rats were killed on 11/25/81, respectively.

** The animals were killed on day 13 because day 14 was a company holiday. All signs in these animals were recovered by day 3.

STUDY CONCLUSIONS:

Based on the magnitude of the LD50 alone, this test substance is considered to be "slightly" toxic to rats by ingestion of a single dose (i.e. the rat oral LD50 is between 500 and 5000 mg/kg).

PRINCIPAL INVESTIGATOR: M. E. DE CRESCENTE

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STUDY INITIATED: 11/24/81
STUDY TERMINATED:12/08/81

ACUTE DEFINITIVE DERMAL LD50
1.01 (0.83-1.25) g/kg
SLOPE: 8.57 PROBITS/UNIT LOG DOSE

PROTOCOL NO. 81P-740 RAW DATA PAGE NO. E00407
SPECIES/STRAIN: RABBIT (NEW ZEALAND WHITE) SEX: M
SOURCE: H.A.R.E.

DOSAGE	ONSET OF SIGNS(S), RECOVERY(R), DEATH(D), DAYS POST-DOSING: 0	1	2	3	4	5	6	7	8-14	DIED/DOSED	MEAN WT g INIT	TERM
. 1.50 g/kg		S D 4								5/6	2	2
. 1.14 g/kg		S D 4		RD 1						5/6	2	2
. 0.87 g/kg		S D 1		RD 1						2/6	2	2
. 0.65 g/kg		S	R							0/6	2	2
. 0.50 g/kg		S	R							0/6	2	2

MAXIMUM OBSERVED INCIDENCE AT ANY OBSERVATION TIME (NO. POSITIVE/NO. OBSERVED)

SIGNS	DOSAGE LEVELS: 1.50 g/kg	1.14 g/kg	0.87 g/kg	0.65 g/kg	0.50 g/kg
.PASSIVENESS	1/2				
.ATAXIA	1/2	1/2	2/5	1/6	
.PROSTRATION	1/2	1/2			
.RESPIRATION SLOW, SHALLOW	1/2				
.BROWN-STAINED ANOGENITAL AREA			1/5		
.NO TOXIC SIGNS					3/6
.TREMORS	2/2	1/2	5/5	3/6	3/6
.HYPOTONIA	1/2				
.NYSTAGMUS		1/2			
.ABDOMEN DISTENDED	1/1				
.RED MUCUS IN FECES			1/5		

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NECROPSY OBSERVATIONS-DECEDENTS (NO. POSITIVE/NO. OBSERVED)

OBSERVATIONS	DOSAGE LEVELS 1.50 g/kg	1.14 g/kg	0.87 g/kg	0.65 g/kg	0.50 g/kg
.GASTRIC MUCOSA SLIGHTLY REDDENED		1/5			
.TAN FLUID IN THE PERITONEAL & THORACIC CAVITY		2/5			
.THIN STOMACH WALL		1/5			
.CLEAR FLUID IN THORACID CAVITY	3/5				
.RED FLUID IN THORACIC CAVITY			1/2		
.WHITENING OF THE SMALL INTESTINES			1/2		
.BLANCHING OF THE SMALL INTESTINES		1/5			
.NO GROSS CHANGES	2/5	1/5	1/2		

NECROPSY OBSERVATIONS-SURVIVORS (NO. POSITIVE/NO. OBSERVED)

OBSERVATIONS	DOSAGE LEVELS 1.50 g/kg	1.14 g/kg	0.87 g/kg	0.65 g/kg	0.50 g/kg
.NO GROSS CHANGES	1/1	1/1	4/4	6/6	6/6

SKIN IRRITATION:
Severe erythema; severe edema with pocketing; eschar, blanching, and desiccation. Skin irritation persisted over 14 days.

STUDY CONDITIONS:
The test substance which ahd been warmed to 30-35 deg. C, was held under an impervious cuff in continuous 24-hr contact with the closely clipped skin.*

STUDY FOOTNOTES:
* After the 24-hr exposure, cuffs were removed and the application sites were gently wiped to remove the residual test substance. Despite this procedure some test substance adhered to the skin and fur. Animals were subsequently observed preening the treated area. The skin of half the numbers of animals in each group were abraded.

STUDY CONCLUSIONS:
Based on the LD50 alone this test substance is considered to be "moderately" toxic to rabbits after a single skin application (i.e. the rabbit dermal LD50 is between 200 and 2000 mg/kg).

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PRINCIPAL INVESTIGATOR: M. E. DE CRESCENTE

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STUDY INITIATED: 10/20/81 ACUTE DEFINITIVE
STUDY TERMINATED: 10/27/81 SKIN IRRITATION
PROTOCOL NO. 81P-747 RAW DATA PAGE NO. J00256
SPECIES/STRAIN: RABBIT (NEW ZEALAND WHITE) SEX: M
SOURCE: H.A.R.E.

TIME	REACTION	SKIN CONDITION	RABBIT NUMBER, VALUE 1	2	3	4	5	6	MEAN VALUE
	ERYTHEMA								
05 HR	TEST	INTACT	1	0	0	1	4a	0	1.0
24 HR	TEST	INTACT	1	0	0	0	4a	0	0.8
72 HR	TEST	INTACT	0	0	0	0	4a	0	0.7
07 DA	TEST	INTACT	0	0	0	0	4a	0	0.7
	EDEMA								
05 HR	TEST	INTACT	0	0	0	0	4	0	0.7
24 HR	TEST	INTACT	2	0	0	0	4	0	1.0
72 HR	TEST	INTACT	0	0	0	0	3	0	0.5
07 DA	TEST	INTACT	0	0	0	0	2	0	0.3

72-HR MEAN IRRITATION SCORE 1.2
The 72-hr mean irritation score is the sum of the mean erythema and mean edema values at 72 hr after dosing.

STUDY CONDITIONS:
0.5 ml of the test substance was held under a patch covered with an impervious cuff in continuous 4-hr contact with the closely clipped skin.*

STUDY FOOTNOTES:
a. eschar
*After the 4 hr exposure, cuffs and patches were removed and the application sites were gently wiped with paper towels. The test substance had been warmed to 30 deg. C.

STUDY COMMENTS:
This test substance is considered to be slightly irritating to the skin of rabbits on the basis of the average score at 72 hr. While 5 of the 6 rabbits responded with slight or no irritation, one rabbit responded with severe irritation.

STUDY CONCLUSIONS:
Based on the magnitude of the 72-hr mean irritation score alone, this test substance is considered to be "slightly" irritating to the skin of rabbits (i.e. the 72-hr mean score is between 0 and 2.0).

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PRINCIPAL INVESTIGATOR: M. E. DE CRESCENTE

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STUDY INITIATED: 10/19/81 — ACUTE DEFINITIVE
STUDY TERMINATED: 11/9/81 — EYE IRRITATION
PROTOCOL NO. 81P-737 — RAW DATA PAGE NO. K00302
SPECIES/STRAIN: RABBIT (NEW ZEALAND WHITE) — SEX: M
SOURCE: H.A.R.E.

		RABBIT NUMBER, VALUE									MEAN
TIME	STRUCTURE	1	2	3 a	4	5	6	7 *	8 *	9 *	VALUE†
4 hr	CORNEA	5.0	15.0	15.0	15.0	20.0	15.0	20.0	10.0	20.0	14.2
	IRIS	2.5	5.0	5.0	5.0	5.0	2.5	5.0	0.0	0.0	4.2
	CONJUNCTIVAE	12.0	12.0	16.0	14.0	14.0	14.0	16.0	18.0	16.0	13.7
4 hr	CORNEA	5.0	40.0	40.0	10.0	15.0	40.0	20.0	10.0	10.0	25.0
	IRIS	0.0	5.0	5.0	5.0	5.0	5.0	5.0	2.5	0.0	4.2
	CONJUNCTIVAE	14.0b	14.0b	14.0b	14.0b	14.0b	14.0b	14.0	14.0	12.0	14.0
8 hr	CORNEA	5.0	40.0	40.0	10.0	40.0	40.0	20.0	15.0	30.0	29.2
	IRIS	0.0	5.0	5.0	2.5	5.0	5.0	5.0	0.0	2.5	3.8
	CONJUNCTIVAE	8.0b	14.0b	10.0b	6.0b	10.0b	14.0b	16.0	6.0	12.0	10.3
2 hr	CORNEA	5.0c	80.0	40.0	5.0c	40.0	40.0	40.0	15.0	30.0	35.0
	IRIS	0.0	5.0	5.0	0.0	5.0	2.5	5.0	0.0	2.5	2.9
	CONJUNCTIVAE	6.0b	18.0b	8.0b	2.0b	8.0b	8.0b	10.0	6.0	10.0	8.3
6 hr	CORNEA	0.0	80.0	40.0	0.0	30.0	40.0	30.0	30.0	40.0	31.7
	IRIS	0.0	5.0	2.5	0.0	5.0	2.5	2.5	0.0	2.5	2.5
	CONJUNCTIVAE	4.0b	18.0b	6.0b	0.0b	4.0b	4.0	6.0	6.0	12.0	6.0
7 day	CORNEA	0.0	80.0e	10.0e	0.0	10.0e	30.0e	5.0e	10.0	10.0e	21.7
	IRIS	0.0	0.0d	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
	CONJUNCTIVAE	0.0b	20.0b	2.0b	2.0b	0.0b	0.0b	0.0	2.0	4.0	4.0
4 day	CORNEA	0.0	0.0f	5.0e	40.0eg	5.0e	0.0	0.0	5.0	30.0e	8.3
	IRIS	0.0	0.0f	0.0	0.0	5.0	0.0	0.0	0.0	2.5	0.8
	CONJUNCTIVAE	0.0	12.0	0.0b	0.0b	16.0	0.0b	0.0	2.0	4.0	4.7
1 day	CORNEA	0.0	0.0f	5.0e	0.0	20.0g	0.0e	0.0	10.0	45.0e	h
	IRIS	0.0	0.0f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CONJUNCTIVAE	0.0	12.0	0.0	0.0b	0.0	0.0	0.0	2.0	6.0	2.0

† The mean value is calculated from rabbits numbered 1 thru 6 inclusive(unwashed eyes).

* The treated eyes for these rabbits were washed (flooded with water) approximately 20-30 seconds after dosing.

STUDY CONDITIONS:
0.1 ml of the test substance which had been warmed to 30 deg. C was applied onto the corneal surface.*

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TUDY FOOTNOTES:

*Approximately 1/2 the material was blinked from the eyes after the animals were allowed to blink after dosing.

a. Rabbit vocalized after application of the test substance.

b. Hair loss around treated eye

c. No opacity was grossly visible but less than 25% of the corneal surface was stained after treating with 2% sodium fluorescein solution. The score is the minimum score for corneal opacity and was determined from fluorescein staining and not from gross observation.

d. Iris unscorable due to denseness of opacity.

e. blood vessels growing on the cornea.

f. iris and cornea unscorable due to density of blood vessels and a red raised foci (1 cm in dia.) on the cornea.

g. Red raised foci (0.5 dia.) on cornea.

h. Mean value is not calculated because the ocular effects of rabbit no. 2 was not scorable.

STUDY CONCLUSIONS:

Based on the duration of the ocular effects alone, thistest substance is considered to be "severely irritating" to the eyes of rabbits (i.e. all ocular effects were not reversible within 21 days after dosing).

PRINCIPAL INVESTIGATOR: M. E. DE CRESCENTE

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REPORT CONCLUSIONS:

Based on the results of these studies, this test substance is considered to be slightly toxic to rats by ingestion of a single dose, moderately toxic to rabbits by a single dermal application, slightly irritating to skin of rabbits, and severely irritating to the eyes of rabbits.

ITTEN BY: K. M. KRZYWICKI R. J. KRAJEWSKI M. E. DE CRESCENTE

DITED/SIGNED BY: J. E. MCLAUGHLIN

PROVED BY STUDY DIRECTOR: P. K. CHAN

PROVED BY RES. SECT. MGR.: A. W. HAYES

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Ronald L. Keener, Ph.D.
Regulatory Affairs Director, Product Integrity Department
Rohm and Haas Company
Independence Mall West
Philadelphia, Pennsylvania 19105

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 18 1995

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned 8(e) number when submitting follow-up or supplemental information and refer to the reverse side of this page for "EPA Information Requests".

All TSCA 8(e) submissions are placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA §8(e) policy statement (43 FR 11110, March 16, 1978). Confidential submissions received pursuant to the TSCA §8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims. This information is required and should be submitted if not done so previously. To substantiate claims, submit responses to the questions in the enclosure "Support Information for Confidentiality Claims". This same enclosure is used to support confidentiality claims for non-CAP submissions.

Please address any further correspondence with the Agency related to this TSCA 8(e) submission to:

Document Processing Center (7407)
Attn: TSCA Section 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

Terry R. O'Bryan

Terry R. O'Bryan
Risk Analysis Branch

JEA
7
12246

Enclosure

Triage of 8(e) Submissions

Date sent to triage: APR 20 1995 NON-CAP (CAP)

Submission number: 12247A TSCA Inventory: (Y) N D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO AQUATO

Group 2 - Ernie Falke (1 copy total)

(ATOX) SBTOX SEN (w/NEUR)

Group 3 - Elizabeth Margosches (1 copy each)

STOX CTOX EPI RTOX GTOX

STOX/ONCO CTOX/ONCO IMMUNO CYTO NEUR

Other (FATE, EXPO, MET, etc.): _____

Notes:

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Contractor reviewer : PK **Date:** 4/3/95

CECATS\TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA:
Submission # 8EHQ- 0992 - 12247 SEQ. A

TYPE: (INT.) SUPP FLWP

SUBMITTER NAME: Rohm and Haas Company

INFORMATION REQUESTED: FLWP DATE:
0501 NO INFO REQUESTED
0502 INFO REQUESTED (TECH)
0503 INFO REQUESTED (VOL. ACTIONS)
0504 INFO REQUESTED (REPORTING RATIONALE)

DISPOSITION:
0639 REFER TO CHEMICAL SCREENING
0678 CAP NOTICE

VOLUNTARY ACTIONS:
0401 NO ACTION REPORTED
0402 STUDIES PLANNED/UNDERWAY
0403 NOTIFICATION OF WORKERS/OTHERS
0404 LABEL/MSDS CHANGES
0405 PROCESS/HANDLING CHANGES
0406 APP./USE DISCONTINUED
0407 PRODUCTION DISCONTINUED
0408 CONFIDENTIAL

SUB. DATE: 08/26/92 OTS DATE: 09/08/92 CSRAD DATE: 02/27/95

CHEMICAL NAME: MMPA

Misc. Chemicals

CAS #: 2334-99-3

none

INFORMATION TYPE:		P F C
0201	ONCO (HUMAN)	01 02 04
0202	ONCO (ANIMAL)	01 02 04
0203	CELL TRANS (IN VITRO)	01 02 04
0204	MUTA (IN VITRO)	01 02 04
0205	MUTA (IN VIVO)	01 02 04
0206	REPRO/TERATO (HUMAN)	01 02 04
0207	REPRO/TERATO (ANIMAL)	01 02 04
0208	NEURO (HUMAN)	01 02 04
(0209)	NEURO (ANIMAL)	01 02 04
0210	ACUTE TOX. (HUMAN)	01 02 04
0211	CHR. TOX. (HUMAN)	01 02 04
(0212)	ACUTE TOX. (ANIMAL)	01 02 04
0213	SUB ACUTE TOX (ANIMAL)	01 02 04
0214	SUB CHRONIC TOX (ANIMAL)	01 02 04
0215	CHRONIC TOX (ANIMAL)	01 02 04

INFORMATION TYPE:		P F C
0216	EPI/CLIN	01 02 04
0217	HUMAN EXPOS (PROD CONTAM)	01 02 04
0218	HUMAN EXPOS (ACCIDENTAL)	01 02 04
0219	HUMAN EXPOS (MONITORING)	01 02 04
0220	ECO/AQUA TOX	01 02 04
0221	ENV. OCCC/REL/FATE	01 02 04
0222	EMER INCI OF ENV CONTAM	01 02 04
0223	RESPONSE REQEST DELAY	01 02 04
0224	PROD/COMP/CHEM ID	01 02 04
0225	REPORTING RATIONALE	01 02 04
0226	CONFIDENTIAL	01 02 04
0227	ALLERG (HUMAN)	01 02 04
0228	ALLERG (ANIMAL)	01 02 04
0239	METAB/PHARMACO (ANIMAL)	01 02 04
0240	METAB/PHARMACO (HUMAN)	01 02 04

INFORMATION TYPE:		P F C
0241	IMMUNO (ANIMAL)	01 02 04
0242	IMMUNO (HUMAN)	01 02 04
0243	CHEM/PHYS PROP	01 02 04
0244	CLASTO (IN VITRO)	01 02 04
0245	CLASTO (ANIMAL)	01 02 04
0246	CLASTO (HUMAN)	01 02 04
0247	DNA DAM/REPAIR	01 02 04
0248	PROD/USE/PROC	01 02 04
0251	MSDS	01 02 04
0299	OTHER	01 02 04

TRIAGE DATA:

NON-CBI INVENTORY
(YES)
CAS SR
NO
IN TSCA INI

ONGOING REVIEW
YES (DROP/REFER)
NO (CONTINUE)
REFER

SPECIES
RAT
RBT

TOXICOLOGICAL CONCERN:
LOW
MED
(HIGH)

USE:

PRODUCTION:

COMMENTS

8(E)-12247A

L/M/M/H

ACUTE ORAL TOXICITY IN CD RATS IS OF LOW CONCERN BASED ON AN LD50 OF 730 MG/KG. DOSAGE (GAVAGE) AND MORTALITY DATA ARE AS FOLLOWS: 310 MG/KG (0/10); 560 MG/KG (1/20); 680 MG/KG (3/10); 830 MG/KG (8/10); 1000 MG/KG (10/10); 1800 MG/KG (10/10); AND 3240 MG/KG (10/10). AT 680 MG/KG AND ABOVE, TOXIC SIGNS INCLUDED ATAXIA, SALIVATION, TREMORS, AND CONVULSIONS. GROSS PATHOLOGY REVEALED REDNESS OF THE SMALL INTESTINE.

ACUTE DERMAL TOXICITY IN NEW ZEALAND WHITE RABBITS IS OF MEDIUM CONCERN BASED ON AN LD50 OF 1010 MG/KG. DOSAGE (24-HOURS) AND MORTALITY DATA ARE AS FOLLOWS: 500 MG/KG (0/6); 650 MG/KG (0/6); 870 MG/KG (2/6); 1140 MG/KG (5/6); AND 1500 MG/KG (5/6). TOXIC SIGNS INCLUDED TREMORS, PROSTRATION, AND ATAXIA. GROSS PATHOLOGY REVEALED CLEAR FLUID IN THORACIC CAVITY.

DERMAL IRRITATION IN NEW ZEALAND WHITE RABBITS IS OF MEDIUM CONCERN BASED ON SLIGHT IRRITATION (5/6), AND SEVERE IRRITATION (1/6) FROM A 4-HOUR EXPOSURE TO 0.5 ML.

ACUTE EYE IRRITATION IN NEW ZEALAND WHITE RABBITS IS OF HIGH CONCERN BASED ON IRREVERSIBLE, SEVERE IRRITATION (9/9) FROM EXPOSURE TO 0.1 ML. TOXIC SIGNS INCLUDED HAIR LOSS AROUND TREATED EYE, BLOOD VESSELS GROWING ON CORNEA, AND RED RAISED FOCI ON CORNEA.